

**Abstract**

5       A process for the preparation of thin-films of conductors from particle (1) precursors is described. The process comprises depositing metal particles and metal chelates (2), mixed or separately, on a substrate (3), treating the composite sufficient to cause decomposition of the metal-chelate (2), and forming an electrically conducting film wherein the decomposition products (4) of the metal-chelate (2) form interparticle conductive bonds.